RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/535,635
Source: PCT
Date Processed by STIC: 3/24/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/535,635 CRF Edit Date: 3/24/06
Edited by: M

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

/ Deleted: / invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

___ Other:

_____
_____
_____

Revised 09/09/2003

PCT

RAW SEQUENCE LISTING DATE: 03/24/2006
PATENT APPLICATION: **US/10/535,635** TIME: 15:25:26

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\03242006\J535635.raw**

```
      1 <110> APPLICANT: INCYTE CORPORATION; TRAN, Uyen K.;
      2       RICHARDSON, Thomas W.; BECHA, Shanya D.;
      3       ELLIOTT, Vicki S.; SWARNAKAR, Anita;
      4       LEE, Soo Yeun; RAMKUMAR, Jayalaxmi;
      5       WANG, Jonathan T.; CHIEN, David;
      6       MURAGE, Jaji; GERA, Mili;
      7       MARQUIS, Joseph P.; CHAWLA, Narinder K.;
      8       NAKAMURA, Lisa; KABLE, Amy E.
     10 <120> TITLE OF INVENTION: IMMUNE RESPONSE-ASSOCIATED PROTEINS
     12 <130> FILE REFERENCE: PF-1629 PCT
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/535,635
C--> 15 <141> CURRENT FILING DATE: 2005-05-20
     17 <150> PRIOR APPLICATION NUMBER: US 60/429,442
     18 <151> PRIOR FILING DATE: 2002-11-26
     20 <150> PRIOR APPLICATION NUMBER: US 60/429,839
     21 <151> PRIOR FILING DATE: 2002-11-27
     23 <150> PRIOR APPLICATION NUMBER: US 60/439,946
     24 <151> PRIOR FILING DATE: 2003-01-13
     26 <150> PRIOR APPLICATION NUMBER: US 60/446,182
     27 <151> PRIOR FILING DATE: 2003-02-07
     29 <160> NUMBER OF SEQ ID NOS: 64
     30 <170> SOFTWARE: PERL Program
     32 <210> SEQ ID NO: 1
     33 <211> LENGTH: 256
     34 <212> TYPE: PRT
     35 <213> ORGANISM: Homo sapiens
     37 <220> FEATURE:
     38 <221> NAME/KEY: misc_feature
     39 <223> OTHER INFORMATION: Incyte ID No: 7522043CD1
     41 <400> SEQUENCE: 1
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     43   1               5                  10                  15
     44 Gln Leu Thr Gly Ser Ala Ala Ser Gly Pro Val Lys Glu Leu Val
     45                  20                  25                  30
     46 Gly Ser Val Gly Gly Ala Val Thr Phe Pro Leu Lys Ser Lys Val
     47                  35                  40                  45
     48 Lys Gln Val Asp Ser Ile Val Trp Thr Phe Asn Thr Thr Pro Leu
     49                  50                  55                  60
     50 Val Thr Ile Gln Pro Glu Gly Gly Thr Ile Ile Val Thr Gln Asn
     51                  65                  70                  75
     52 Arg Asn Arg Glu Arg Val Asp Phe Pro Asp Gly Gly Tyr Ser Leu
     53                  80                  85                  90
     54 Lys Leu Ser Lys Leu Lys Lys Asn Asp Ser Gly Ile Tyr Tyr Val
```

```
55                  95                  100                 105
56 Gly Ile Tyr Ser Ser Ser Leu Gln Gln Pro Ser Thr Gln Glu Tyr
57                  110                 115                 120
58 Val Leu His Val Tyr Glu His Leu Ser Lys Pro Lys Val Thr Met
59                  125                 130                 135
60 Gly Leu Gln Ser Asn Lys Asn Gly Thr Cys Val Thr Asn Leu Thr
61                  140                 145                 150
62 Cys Cys Met Glu His Gly Glu Glu Asp Val Ile Tyr Thr Trp Lys
63                  155                 160                 165
65 Ala Leu Gly Gln Ala Ala Asn Glu Ser His Asn Gly Ser Ile Leu
66                  170                 175                 180
67 Pro Ile Ser Trp Arg Trp Gly Glu Ser Asp Met Thr Phe Ile Cys
68                  185                 190                 195
69 Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser Pro Ile Leu
70                  200                 205                 210
71 Ala Arg Lys Leu Cys Glu Glu Asn Asn Pro Lys Gly Arg Ser Ser
72                  215                 220                 225
73 Lys Tyr Gly Leu Leu His Cys Gly Asn Thr Glu Lys Asp Gly Lys
74                  230                 235                 240
75 Ser Pro Leu Thr Ala His Asp Ala Arg His Thr Lys Ala Ile Cys
76                  245                 250                 255
77 Leu
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81 <211> LENGTH: 433
82 <212> TYPE: PRT
83 <213> ORGANISM: Homo sapiens
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <223> OTHER INFORMATION: Incyte ID No: 7523539CD1
89 <400> SEQUENCE: 2
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91   1               5                  10                  15
92 Ala Ser Leu Met Val Leu Val Ala Ile Gly Thr Ala Val Thr Ala
93                  20                  25                  30
94 Ala Val Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu
95                  35                  40                  45
96 Asp Tyr Ala Ser Gln Gln Gly Thr Ala Ala Leu Gln Lys Glu Leu
97                  50                  55                  60
98 Lys Arg Ile Lys Ile Pro Asp Tyr Ser Asp Ser Phe Lys Ile Lys
99                  65                  70                  75
100 His Leu Gly Lys Gly His Tyr Ser Phe Tyr Ser Met Asp Ile Arg
101                 80                  85                  90
102 Glu Phe Gln Leu Pro Ser Ser Gln Ile Ser Met Val Pro Asn Val
103                 95                  100                 105
104 Gly Leu Lys Phe Ser Ile Ser Asn Ala Asn Ile Lys Ile Ser Gly
105                 110                 115                 120
106 Lys Trp Lys Ala Gln Lys Arg Phe Leu Trp Leu Ile Gln Leu Phe
107                 125                 130                 135
108 His Lys Lys Ile Glu Ser Ala Leu Arg Asn Lys Met Asn Ser Gln
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RAW SEQUENCE LISTING DATE: 03/24/2006
PATENT APPLICATION: US/10/535,635 TIME: 15:25:26

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\03242006\J535635.raw

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109                 140                 145                 150
110 Val Cys Glu Lys Val Thr Asn Ser Val Ser Ser Lys Leu Gln Pro
111                 155                 160                 165
112 Tyr Phe Gln Thr Leu Pro Val Met Thr Lys Ile Asp Ser Val Ala
113                 170                 175                 180
114 Gly Ile Asn Tyr Gly Leu Val Ala Pro Pro Ala Thr Thr Ala Glu
115                 185                 190                 195
116 Thr Leu Asp Val Gln Met Lys Gly Glu Phe Tyr Ser Glu Asn His
117                 200                 205                 210
118 His Asn Pro Pro Pro Phe Ala Pro Pro Val Met Glu Phe Pro Ala
119                 215                 220                 225
120 Ala His Asp Arg Met Val Tyr Leu Gly Leu Ser Asp Tyr Phe Phe
121                 230                 235                 240
122 Asn Thr Ala Gly Leu Val Tyr Gln Glu Ala Gly Val Leu Lys Met
123                 245                 250                 255
124 Thr Leu Arg Asp Asp Met Ile Pro Lys Glu Ser Lys Phe Arg Leu
125                 260                 265                 270
126 Thr Thr Lys Phe Phe Gly Thr Phe Leu Pro Glu Val Ala Lys Lys
127                 275                 280                 285
129 Phe Pro Asn Met Lys Ile Gln Ile His Val Ser Ala Ser Thr Pro
130                 290                 295                 300
131 Pro His Leu Ser Val Gln Pro Thr Gly Leu Thr Phe Tyr Pro Ala
132                 305                 310                 315
133 Val Asp Val Gln Ala Phe Ala Val Leu Pro Asn Ser Ser Leu Ala
134                 320                 325                 330
135 Ser Leu Phe Leu Ile Gly Met His Thr Thr Gly Ser Met Glu Val
136                 335                 340                 345
137 Ser Ala Glu Ser Asn Arg Leu Val Gly Glu Leu Lys Leu Asp Arg
138                 350                 355                 360
139 Leu Leu Leu Glu Leu Lys His Ser Asn Ile Gly Pro Phe Pro Val
140                 365                 370                 375
141 Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val Pro Ile Leu Val
142                 380                 385                 390
143 Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe Pro Leu Pro
144                 395                 400                 405
145 Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln Pro His
146                 410                 415                 420
147 Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys
148                 425                 430
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 142
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <223> OTHER INFORMATION: Incyte ID No: 7523587CD1
159 <400> SEQUENCE: 3
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161   1               5                  10                  15
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RAW SEQUENCE LISTING DATE: 03/24/2006
PATENT APPLICATION: **US/10/535,635** TIME: 15:25:26

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\03242006\J535635.raw**

```
162 His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
163                  20                  25                  30
164 Gln Ser Ser Asn Phe Glu Asn Ile Leu Thr Trp Asp Ser Gly Pro
165                  35                  40                  45
166 Glu Gly Thr Pro Asp Thr Val Tyr Ser Ile Glu Tyr Lys Thr Tyr
167                  50                  55                  60
168 Gly Glu Arg Asp Trp Val Ala Lys Lys Gly Cys Gln Arg Ile Thr
169                  65                  70                  75
170 Arg Lys Ser Cys Asn Leu Thr Val Glu Thr Gly Asn Leu Thr Glu
171                  80                  85                  90
172 Leu Tyr Tyr Ala Arg Val Thr Ala Val Ser Ala Gly Gly Arg Ser
173                  95                 100                 105
174 Ala Thr Lys Met Thr Asp Arg Phe Ser Ser Leu Gln His Arg Arg
175                 110                 115                 120
176 Arg Pro Thr Ala Phe Ile Thr Phe Ser Lys Glu Ser Val Asn Gln
177                 125                 130                 135
178 Gln Ser Tyr Pro Gln Ala Thr
179                 140
181 <210> SEQ ID NO: 4
182 <211> LENGTH: 450
183 <212> TYPE: PRT
184 <213> ORGANISM: Homo sapiens
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <223> OTHER INFORMATION: Incyte ID No: 7523622CD1
190 <400> SEQUENCE: 4
191 Met Arg Glu Asn Met Ala Arg Gly Pro Cys Asn Thr Pro Arg Trp
193   1               5                  10                  15
194 Val Ser Leu Met Val Leu Val Ala Ile Gly Thr Ala Val Thr Ala
195                  20                  25                  30
196 Ala Val Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu
197                  35                  40                  45
198 Asp Tyr Ala Ser Gln Gln Gly Thr Ala Ala Leu Gln Lys Glu Leu
199                  50                  55                  60
200 Lys Arg Ile Lys Ile Pro Asp Tyr Ser Asp Ser Phe Lys Ile Lys
201                  65                  70                  75
202 His Leu Gly Lys Gly His Tyr Ser Phe Tyr Ser Met Asp Ile Arg
203                  80                  85                  90
204 Glu Phe Gln Leu Pro Ser Ser Gln Ile Ser Met Val Pro Asn Val
205                  95                 100                 105
206 Gly Leu Lys Phe Ser Ile Ser Asn Ala Asn Ile Lys Ile Ser Gly
207                 110                 115                 120
208 Lys Trp Lys Ala Gln Lys Arg Phe Leu Lys Met Ser Gly Asn Phe
209                 125                 130                 135
210 Asp Leu Ser Ile Glu Gly Met Ser Ile Ser Ala Asp Leu Lys Leu
211                 140                 145                 150
212 Gly Ser Asn Pro Thr Ser Gly Lys Pro Thr Ile Thr Cys Ser Ser
213                 155                 160                 165
214 Cys Ser Ser His Ile Asn Ser Val His Val His Ile Ser Lys Ser
```

RAW SEQUENCE LISTING DATE: 03/24/2006
PATENT APPLICATION: US/10/535,635 TIME: 15:25:27

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\03242006\J535635.raw

```
215                 170                 175                 180
216 Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys Ile Glu Ser
217                 185                 190                 195
218 Ala Leu Arg Asn Lys Met Asn Ser Gln Val Cys Glu Glu Val Thr
219                 200                 205                 210
220 Asn Ser Val Ser Ser Glu Leu Gln Pro Tyr Phe Gln Thr Leu Pro
221                 215                 220                 225
222 Val Met Thr Lys Ile Asp Ser Val Ala Gly Ile Asn Tyr Gly Leu
223                 230                 235                 240
224 Val Ala Pro Pro Ala Thr Thr Ala Glu Thr Leu Asp Val Gln Met
225                 245                 250                 255
226 Lys Gly Glu Phe Tyr Ser Glu Asn His His Asn Pro Pro Pro Phe
227                 260                 265                 270
228 Ala Pro Pro Val Met Glu Phe Pro Ala Ala His Asp Arg Met Val
229                 275                 280                 285
230 Tyr Leu Gly Leu Ser Asp Tyr Phe Phe Asn Thr Ala Gly Leu Val
231                 290                 295                 300
232 Tyr Gln Glu Ala Gly Val Leu Lys Met Thr Leu Arg Asp Asp Met
233                 305                 310                 315
234 Ile Pro Lys Glu Ser Lys Phe Arg Leu Thr Thr Lys Phe Phe Gly
235                 320                 325                 330
236 Thr Phe Leu Pro Glu Val Ala Lys Lys Phe Pro Asn Met Lys Ile
237                 335                 340                 345
238 Gln Ile His Val Ser Ala Ser Thr Pro Pro His Leu Ser Val Gln
239                 350                 355                 360
240 Pro Thr Gly Leu Thr Phe Tyr Pro Ala Val Asp Val Gln Ala Phe
241                 365                 370                 375
242 Ala Val Leu Pro Asn Ser Ser Leu Ala Ser Leu Phe Leu Ile Gly
243                 380                 385                 390
244 Met Val Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val Pro Ile
245                 395                 400                 405
246 Leu Val Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe Pro
247                 410                 415                 420
248 Leu Pro Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln
249                 425                 430                 435
250 Pro His Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys
251                 440                 445                 450
254 <210> SEQ ID NO: 5
255 <211> LENGTH: 84
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <223> OTHER INFORMATION: Incyte ID No: 7523711CD1
264 <400> SEQUENCE: 5
265 Met Arg Thr Leu Leu Thr Ile Leu Thr Val Gly Ser Leu Ala Ala
266   1               5                  10                  15
267 His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
268                  20                  25                  30
```

VERIFICATION SUMMARY DATE: 03/24/2006
PATENT APPLICATION: **US/10/535,635** TIME: 15:25:28

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\03242006\J535635.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date